

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of : Docket No. SJO920000063US2  
M. Pinarbasi : Group Art Unit:  
Serial No.: : Examiner:

Filed:

For: Methods To Achieve Low And Stable Ferromagnetic Coupling Field

**INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION  
(37 CFR 1.97(b))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Section 707.05(b) of the MPEP and 37 CFR 1.97 and 1.98, a copy is herewith submitted (attached to form PTO-1449, Rev. 7-80) of documents which may be relevant to the invention as claimed in the above-identified application.

It is requested that the Examiner fully consider the documents cited, initial the leftmost column of the attached PTO Form 1449 adjacent each cited document, and return a copy of the Form 1449 for applicants' records. It is further requested that the documents be cited on the cover of any patent issuing from the subject application.

The citation of the above documents should not be construed as a representation that an exhaustive search has been made, or that other, more pertinent information is not available. Nor does this statement constitute an admission by applicant or applicants' attorney that the information provided herein is necessarily relevant information to applicants' invention. Moreover, applicants reserve the right to establish the patentability of the claimed invention over any of the listed documents should they be applied there-against as references.

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or before the mailing date of a first Office Action on the merits, whichever occurs last. 37 CFR 1.97(b).

**EXPRESS MAIL CERTIFICATE**

I hereby certify that the above paper/fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to the Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313

"Express Mail" no.: EL358844998US

Date of Deposit: 10/23/03

Person mailing paper/fee: Darci Manuleleua

Signature: 

Respectfully submitted,

By: 

William D. Gill (#44,124)

Agent for Applicant

IBM Corporation, IP Law

5600 Cottle Road (L2PA/010)

San Jose, CA 95193

Telephone: (408) 256-2821

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE										ATTY. DOCKET NO.		SERIAL NO.		
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)										APPLICANT Mustafa Pinarbasi				
										FILING DATE		GROUP		
<b>U.S. PATENT DOCUMENTS</b>														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE		NAME		RELEVANT INFORMATION	
A		5	9	8	6	8	5	8	11/16/99		Sato et al.		360/113	
B		5	4	0	8	3	7	7	4/18/95		Gurney et al.		360/113	
C		5	8	6	2	0	2	2	1/19/99		Noguchi et al.		360/113	
D														
E														
F														
G														
H														
<b>FOREIGN PATENT DOCUMENTS</b>														
		2- letter code		DOCUMENT NUMBER					DATE		COUNTRY		TRANSLATION	
													YES      NO	
I		JP		10-41561					2/13/98		Japan		No	
J														
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>														
K		K. Kagawa, et al., "Effect of Oxygen Incorporation on Magnetoresistance in Co/Cu Multilayers," J. Appl. Physics, Vol. 75, No. 10, pp. 6540-42, 1994												
		W.F. Egelhoff, et al., "Oxygen as a Surfactant in the Growth of Giant Magnetoresistance Spin Valves," J. Appl. Phys., Vol. 82, No. 12, pp. 6142-51, 1997												
L														
M														
N														
<b>EXAMINER</b>										<b>DATE CONSIDERED</b>				
* <b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.														